

FREE SPACE POINT-TO-MULTIPOINT
OPTICAL COMMUNICATION SYSTEM AND APPARATUS

ABSTRACT OF THE DISCLOSURE

A free space point-to-multipoint optical transceiver has a reflective element and an optical feed mounted on the reflective element. When the optical feed is coupled to a light source, the optical feed is positionable to direct light received from the light source onto a reflective surface of the reflective element. Light directed onto the reflective surface is reflected towards a remote location to be received by a receiver located at the remote location. By adjusting a position of the optical feed, the reflected light is aimed. Therefore, adjusting the position of the optical feed provides a technique to track moving remote locations and/or to target different remote locations.